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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,473	09/24/2001	Tamenobu Yamamoto	12262/1	5804

7590 03/23/2004

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EXAMINER

TADESSE, YEWEBDAR T

ART UNIT PAPER NUMBER

1734

DATE MAILED: 03/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/960,473

Applicant(s)

YAMAMOTO ET AL.

Examiner

Yewebdar T Tadesse

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1734

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 9/24/2001
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-20 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 02062004.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: throughout the specification (see page 4, line 15 and 26; page 12, line 26; page 16, line 12; page 18, line 9; page 22, line 9) applicants enclose phrases in square brackets. It is unclear what is applicants' intention (either the applicants want to delete those phrases or they are just typographic errors). Appropriate correction is required. On pages 8, lines 17 & 22 and page 23, line 4 and 24, applicants also use symbols □ after transition temperature 85, heating temperature of 153 and curing temperature of 110. It appears that applicants intend to use degree Celsius (°C) or degree Fahrenheit (°F) of the temperature measurements. Appropriate correction is required.

Allowance

2. Claims 1-20 are allowed.

3. The following is an examiner's statement of reasons for allowance: the closest art, Tanikita et al (US 5,833,889) discloses (see Fig 2a-2b and column 3, lines 39-55) a method of production of light-reflecting component, wherein resin film having concave shape is set into the injection molding apparatus to inject molten resin (6) forming uniform layer of the contoured resin film 1' on the concave surface. However, in Tanikita et al the curved body is not manufactured in a press-molding machine, instead it is formed by placing a preheated resin film 1 on a projection mold (see column 3, lines

31-38 and Fig. 1). Furthermore, Tanikita et al does not teach a method of manufacturing in which press-molding machine and insert injection-molding machine serially positioned and a cycle of press molding and a cycle of injection molding are performed in synchronized manner to continuously inject the back resin while continuously press molding the curved body. JP-02130113 discloses (see English Translation Abstract) a method of forming reflection layers of lamps by using metal deposition film simultaneously when the lamp housing is injected with synthetic resin adhering the metal layer to the inner surface of the lamp housing with the adhesive layer. JP'113 does not disclose or suggest press-molding the housing and a synchronized method of production. Tanaka et al (US 5,993,723) teaches (see Abstract and column 4, lines 54-56) an injection compression molding method wherein injection screw (part of the machine) retreat performed in the timing in synchronism with closure and compression of the mold. Tanaka et al does not disclose serially positioned press molding and injection molding machines. Prior art of record does not disclose or suggest a method for continuously manufacturing an optical article comprising a first step of thermal press-molding a sheet-like curved body and a second step of insert-molding a back resin on a concave side of the curved body wherein press-molding machine and insert injection-molding machine serially positioned and a cycle of press molding and a cycle of injection molding are performed in synchronized manner to continuously inject the back resin while continuously press molding the curved body. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany

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the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. This application is in condition for allowance except for the following formal matters: Minor informalities in the specification (see above).

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.


A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yewebdar T Tadesse whose telephone number is (571) 272-1238. The examiner can normally be reached on Monday-Friday 8:00 AM-4: 30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino can be reached on (571) 272-1226. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


YTT


MICHAEL COLAIANNI
PRIMARY EXAMINER